



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090712

Mode: Highway

Status: Submitted

US-117

From/Cross Street: NC 133

Specific Improvement Type: 10 - Improve Intersection

To:

Project Category: Regional Impact

Length: 0.5

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$775,000

Description:

Construct a Roundabout at the intersection of US 117 and NC 133

Division(s): Division 3

County(s): PENDER

MPOS(s)/RPO(s): Wilmington Urban Area MPO

Project Location



Statewide Mobility Total Score: 0

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|---|---|---------------------------------------|
| Totals: Weight: 0% Weighted Score: 0 | N/A | N/A |

Regional Impact Total Score: 0

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|--|---|---------------------------------------|
| Safety (25%) 83.35 Multimodal + [Freight & Military] (25%) 5.33 [Travel Time] Benefit/Cost (20%) 83.17 | Percent: 15% Points: | Percent: 15% Points: |
| Totals: Weight: 70% Weighted Score: 38.8 | | |

Division Needs Total Score: 0

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|--|---|---------------------------------------|
| Congestion (V/C) (20%) 44.12 Safety (20%) 83.35 Multimodal + [Freight & Military] (10%) 5.33 | Percent: 25% Points: | Percent: 25% Points: |
| Totals: Weight: 50% Weighted Score: 26.03 | | |

Project Data ***Existing Conditions**

| | |
|---|------------------|
| Existing Cross-Section: | |
| Speed Limit: | 52 |
| Length (miles): | 0.5 |
| Facility Type: | Two Lane Highway |
| Access Control: | None |
| Functional Classification: | Major Collector |
| Terrain Type: | Level |
| Lane Width: | 12 |
| Paved Shoulder Width: | 1 |
| Roadway has Curb & Gutter? | No |
| Volume (AADT): | 18992.03 |
| Capacity: | 31199.41 |
| Volume/Capacity Ratio: | 0.61 |
| % Autos: | 94% |
| % Trucks: | 6% |
| Truck Volume: | 1065.06 |
| Crash Density: | 0 |
| Crash Severity: | 0 |
| Critical Crash Rate: | 0 |
| Crash Frequency: | 66.7 |
| Severity Index: | 100 |
| County Tier Designation: | 3 |
| Non-Interstate STRAHNET Route? | No |
| Average Commuting Time: | 25 |
| Existing Median Type (for Cost Estimation): | Undivided |
| Pavement Condition Rating: | 99 |
| Actual Congested Speed: | 0 |
| Travel Time Index: | |

Project Benefits

| | |
|--|------------------|
| Project Cross-Section: | |
| Speed Limit: | 55 |
| Length (miles): | 0.5 |
| Facility Type: | Two Lane Highway |
| Access Control: | None |
| Functional Classification: | Major Collector |
| Terrain Type: | Level |
| DOT Design Lane Width: | 12 |
| DOT Design Paved Shoulder Width: | 4 |
| Travel Time Savings for 30 Years (Total): | 2863000 |
| Travel Time Savings for 30 Years (Autos): | 2702445.43 |
| Travel Time Savings for 30 Years (Trucks): | 160554.57 |
| Long-Term Employment: | |
| % Change in Economy: | |
| Provides Direct Connection to Transportation Terminal? | No |
| Does project upgrade how the roadway functions? | No |
| In CTP or LRTP? | No |
| CTP/LRTP Name: | |
| CTP/LRTP Completion Year: | |
| Submitted by: | Division 3 |

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

| Division | Percent | Regional Impact | Division Needs |
|------------------------------|----------------|------------------------|-----------------------|
| Division 3 | 100% | 0 | 0 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL Division Points | | 0 | 0 |

MPO/RPO

| MPO/RPO | Percent | Regional Impact | Division Needs |
|-----------------------------|----------------|------------------------|-----------------------|
| Wilmington Urban Area MPO | 100% | 0 | 0 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL MPO/RPO Points | | 0 | 0 |

Project Cost and Source

| | | |
|------------------------|------------------|----------------------|
| Construction Cost: | \$625,000 | Cost Estimation Tool |
| Right-of-Way Cost: | \$150,000 | Cost Estimation Tool |
| Utilities Cost: | \$0 | Cost Estimation Tool |
| Total Project Cost: | \$775,000 | |
| Other Funding: | \$0 | None |
| Cost to NCDOT : | \$775,000 | |